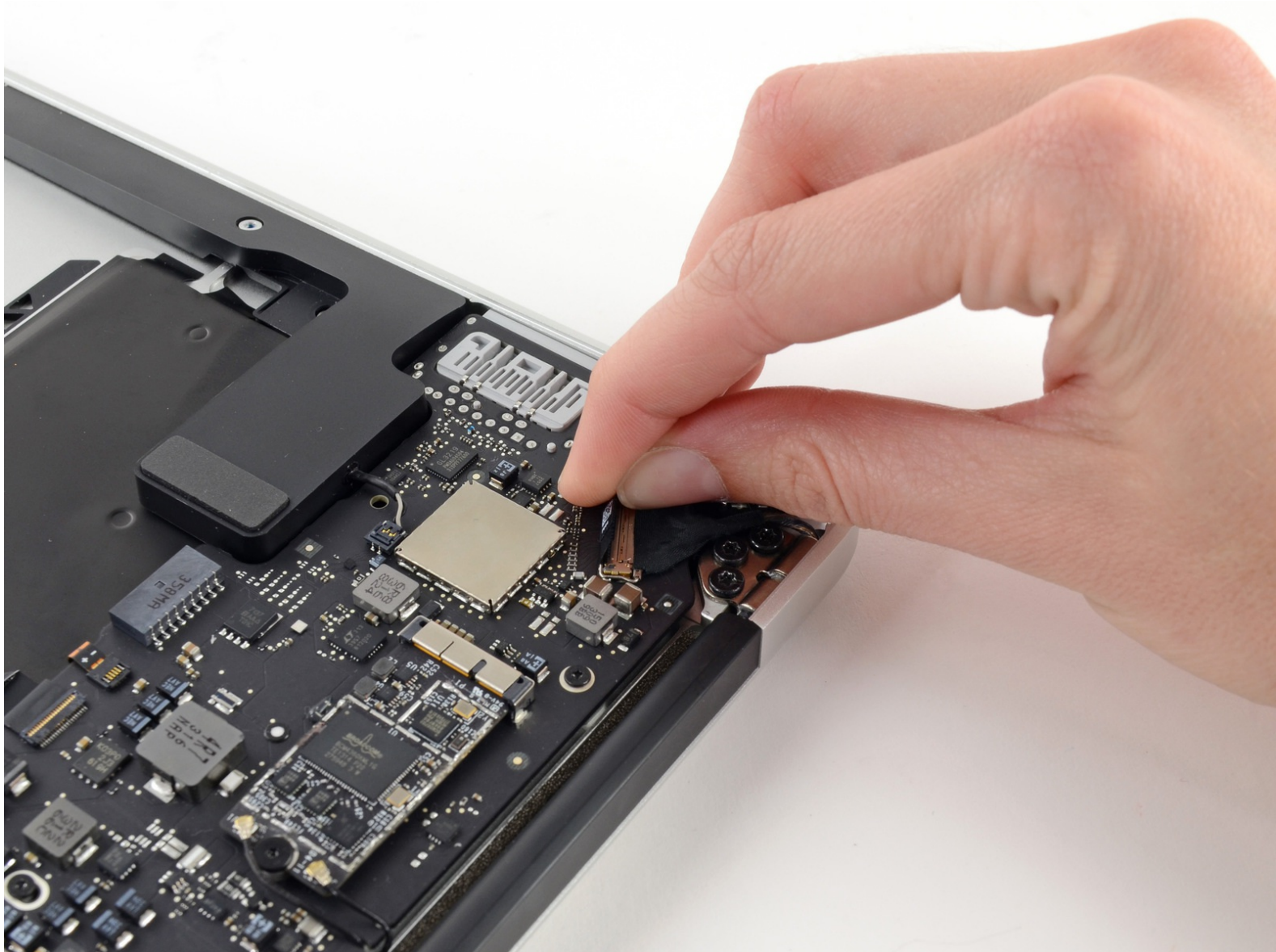




MacBook Air 13" Mid 2013 Logic Board Assembly Replacement

Internal Prerequisite.

Written By: Walter Galan



INTRODUCTION

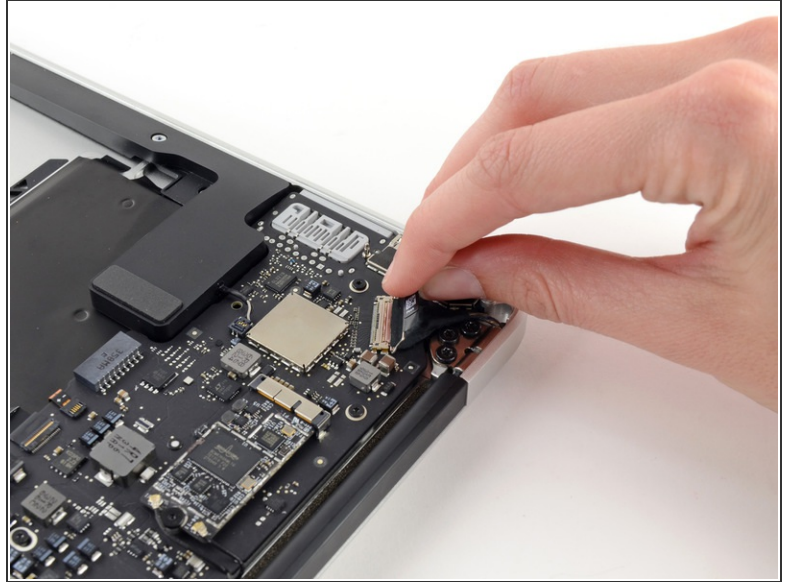
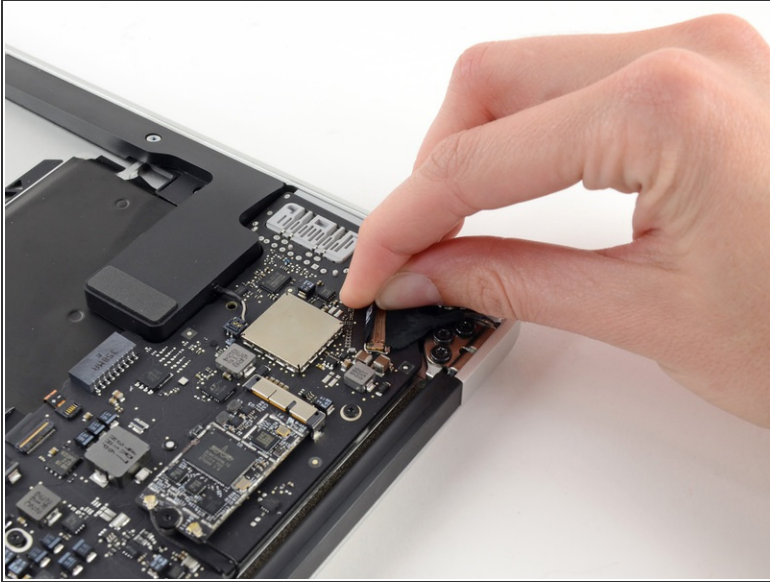
Internal Prerequisite.



TOOLS:

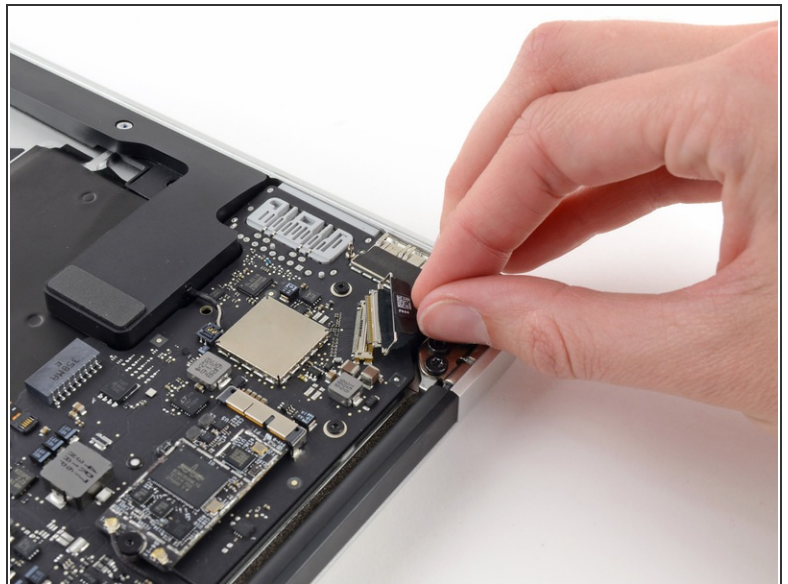
- [Spudger](#) (1)
 - [T5 Torx Screwdriver](#) (1)
-

Step 1 — Logic Board Assembly



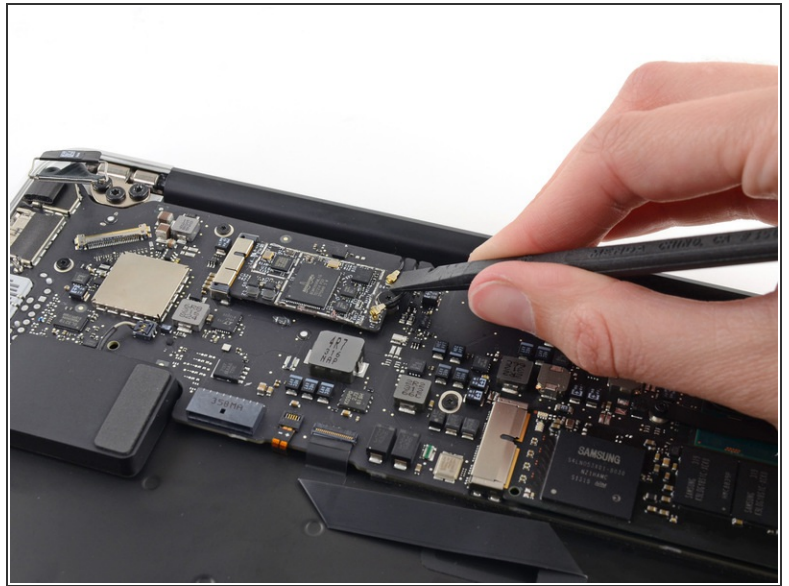
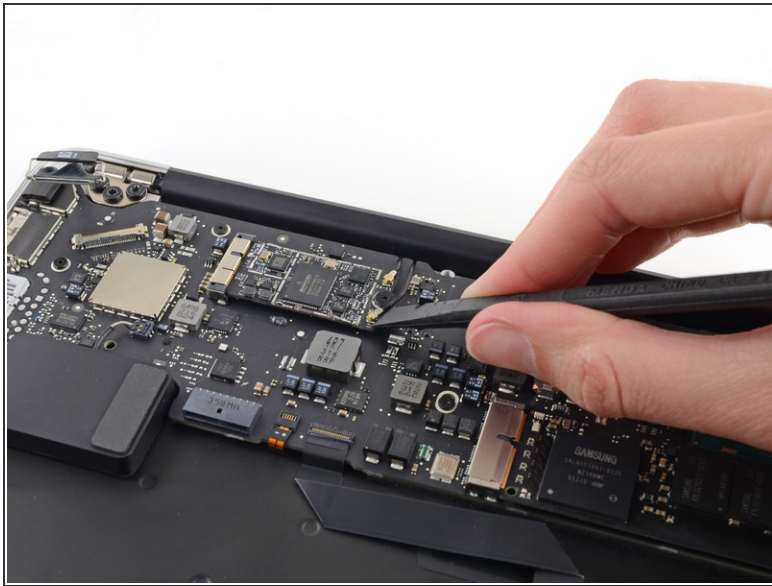
- Grab the plastic pull tab secured to the display data cable lock and rotate it towards the top side of the computer.

Step 2



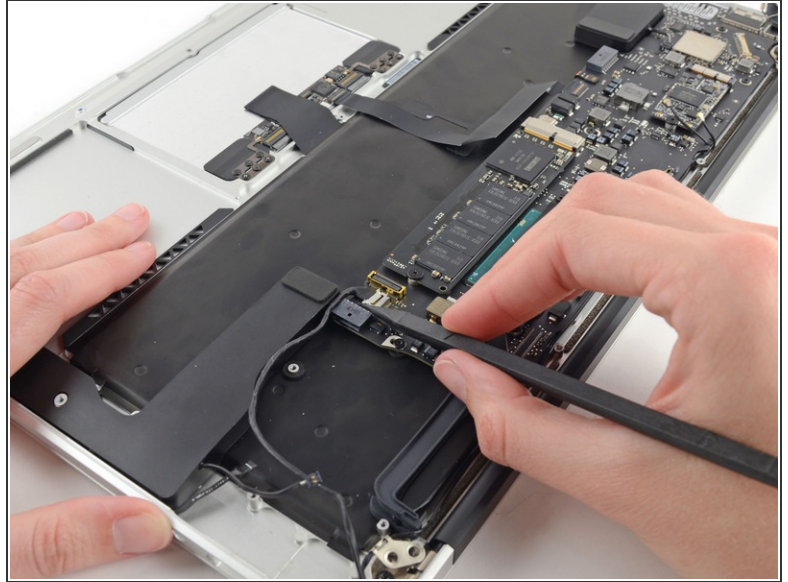
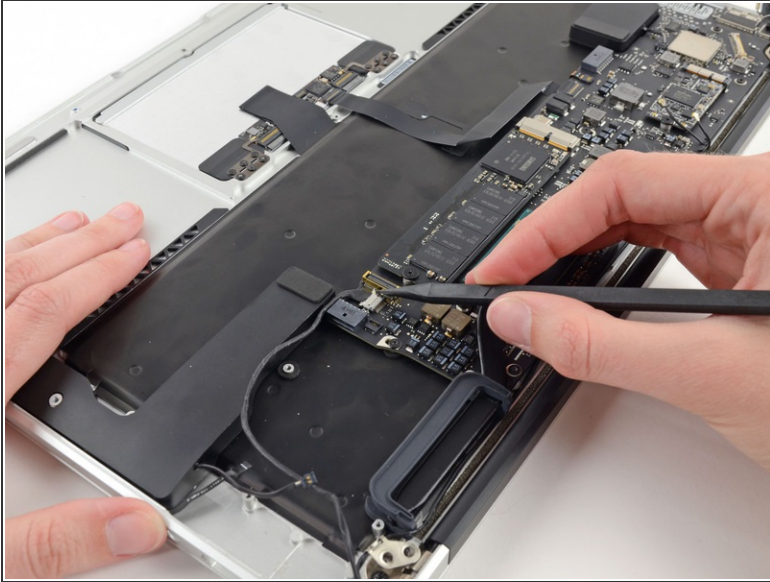
- Pull the display data cable connector straight away from its socket.
- ⚠ Make sure to pull the connector parallel to the logic board, do **not** lift straight up from its socket.

Step 3



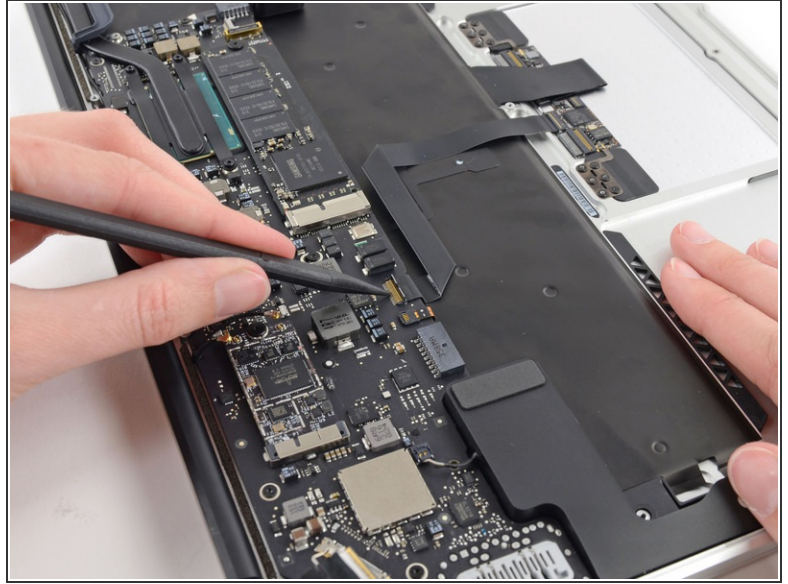
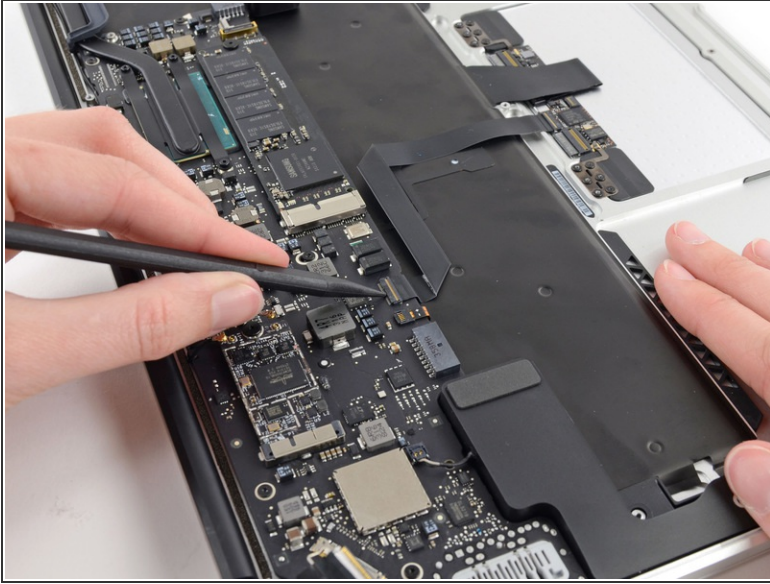
- Use the flat end of a spudger to pry both antenna cable connectors up and off their sockets on the AirPort/Bluetooth card.

Step 4



- Disconnect the camera cable connector with the tip of a spudger.
- ⓘ Push first on one side of the connector, then on the other side to carefully "walk" it out of its socket.
- Pull the camera cable parallel to the face of the I/O board toward the front edge of the Air to disconnect it from its socket.
- ⚠ Do not lift upward on this cable as you disconnect it, as its socket may break off the logic board.

Step 5

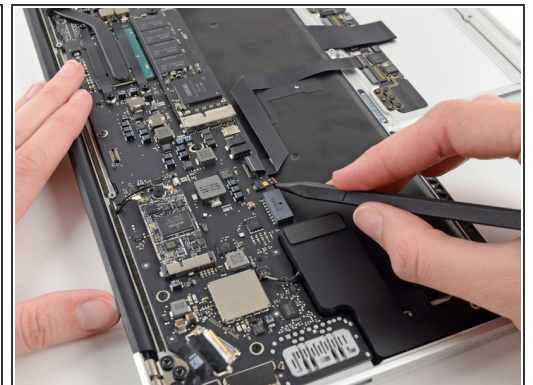
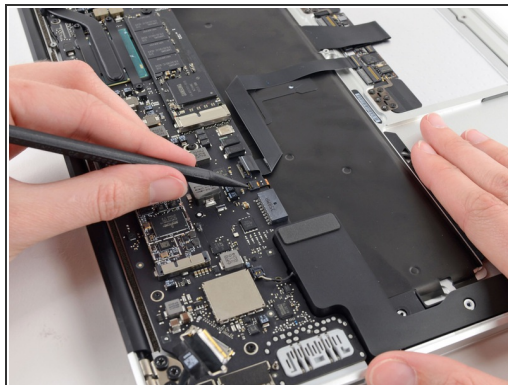
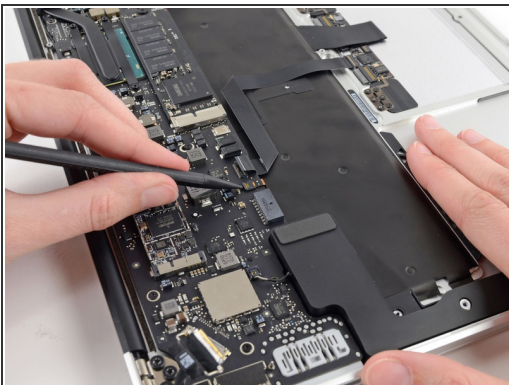


- Use the tip of a spudger or your fingernail to flip up the retaining flap on the trackpad ribbon cable ZIF socket.

⚠ Be sure you are prying up on the hinged retaining flap, **not** the socket itself.

- Pull the trackpad ribbon cable straight out of its socket toward the front edge of the Air.

Step 6

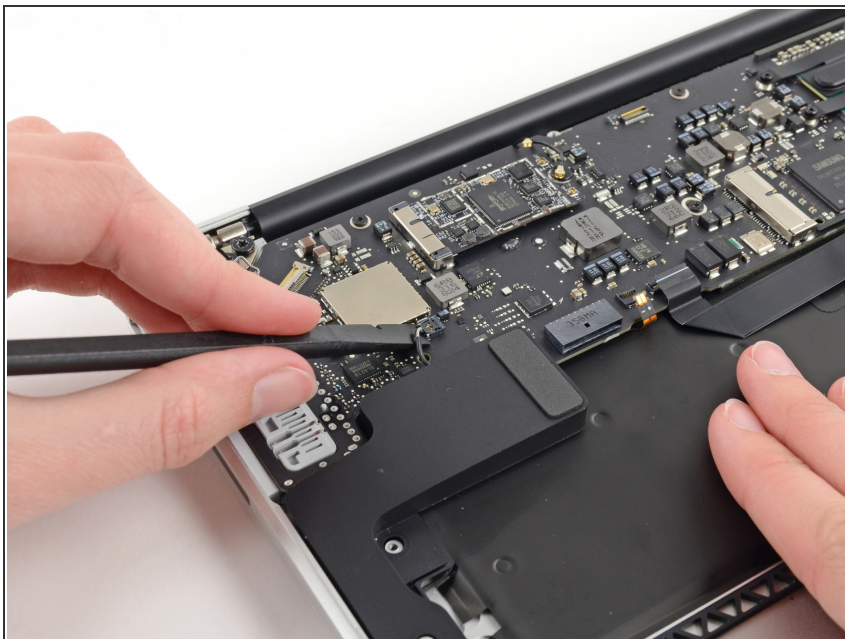


- Use the tip of a spudger to flip up the retaining flap on the keyboard backlight ribbon cable ZIF socket.

⚠ Be sure you are prying up on the hinged retaining flap, **not** the socket itself.

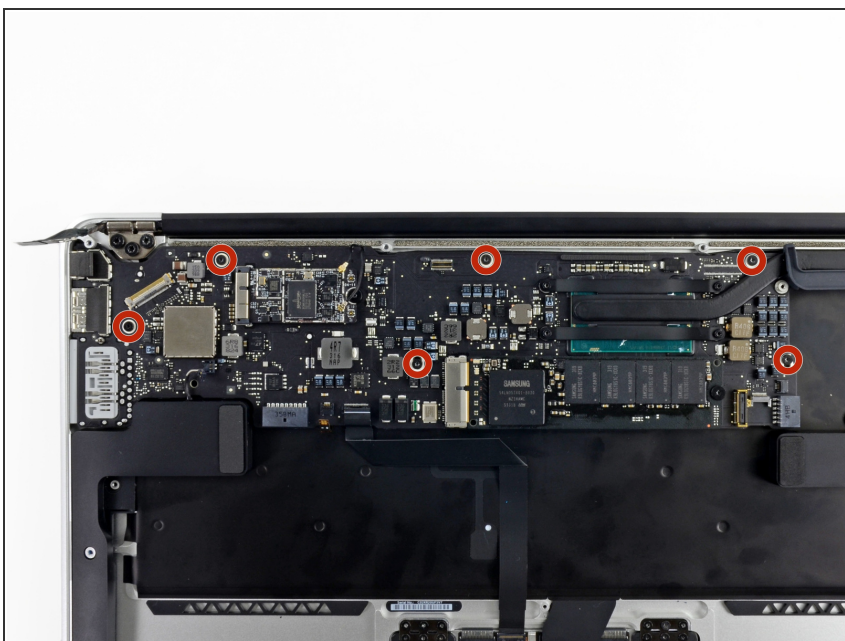
- Use your spudger to gently pull the keyboard backlight ribbon cable out of its socket.

Step 7



- Use the flat end of a spudger to pry the right speaker cable connector up and out of its socket on the logic board.
- ⓘ It is recommended to pry up from beneath the cables.

Step 8



- Remove the six 6.3 mm T5 Torx screws securing the logic board to the upper case.
- ⓘ On some models these may be 4.1 mm T5 Torx screws.

Step 9



- Remove the inner two 4.9 mm T8 Torx screws securing the antenna cable retainer and left clutch hinge to the upper case.

Step 10



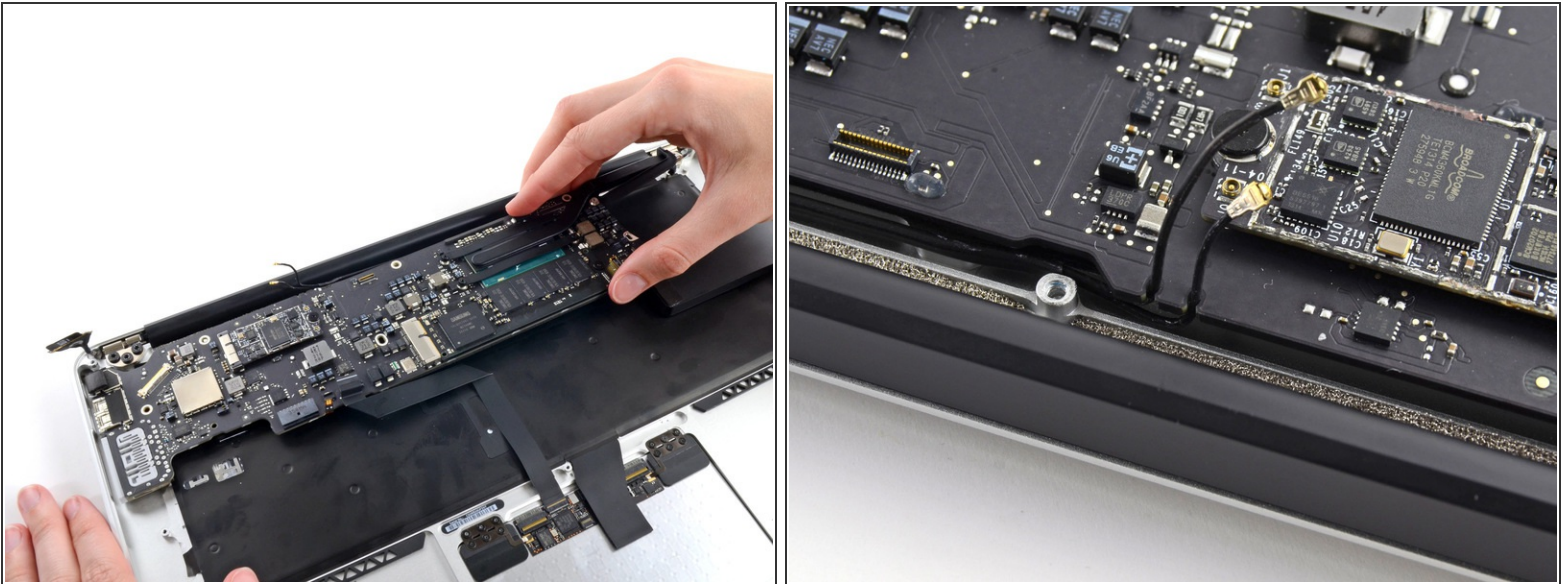
- Push the antenna cable retainer away slightly and remove the 3 mm T5 Torx screw securing the end of the heat sink to the upper case.

Step 11



- Slide the flat end of a spudger under the right speaker from the end nearest the hinge to the front edge of the Air to loosen the adhesive.
- Remove the right speaker from the upper case.

Step 12



- Carefully remove the logic board assembly from the upper case, minding any cables that may get caught.
- ☒ During reassembly, make sure the antenna cables are inserted into their respective notches on the logic board, as highlighted in the second picture.

To reassemble your device, follow these instructions in reverse order.

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